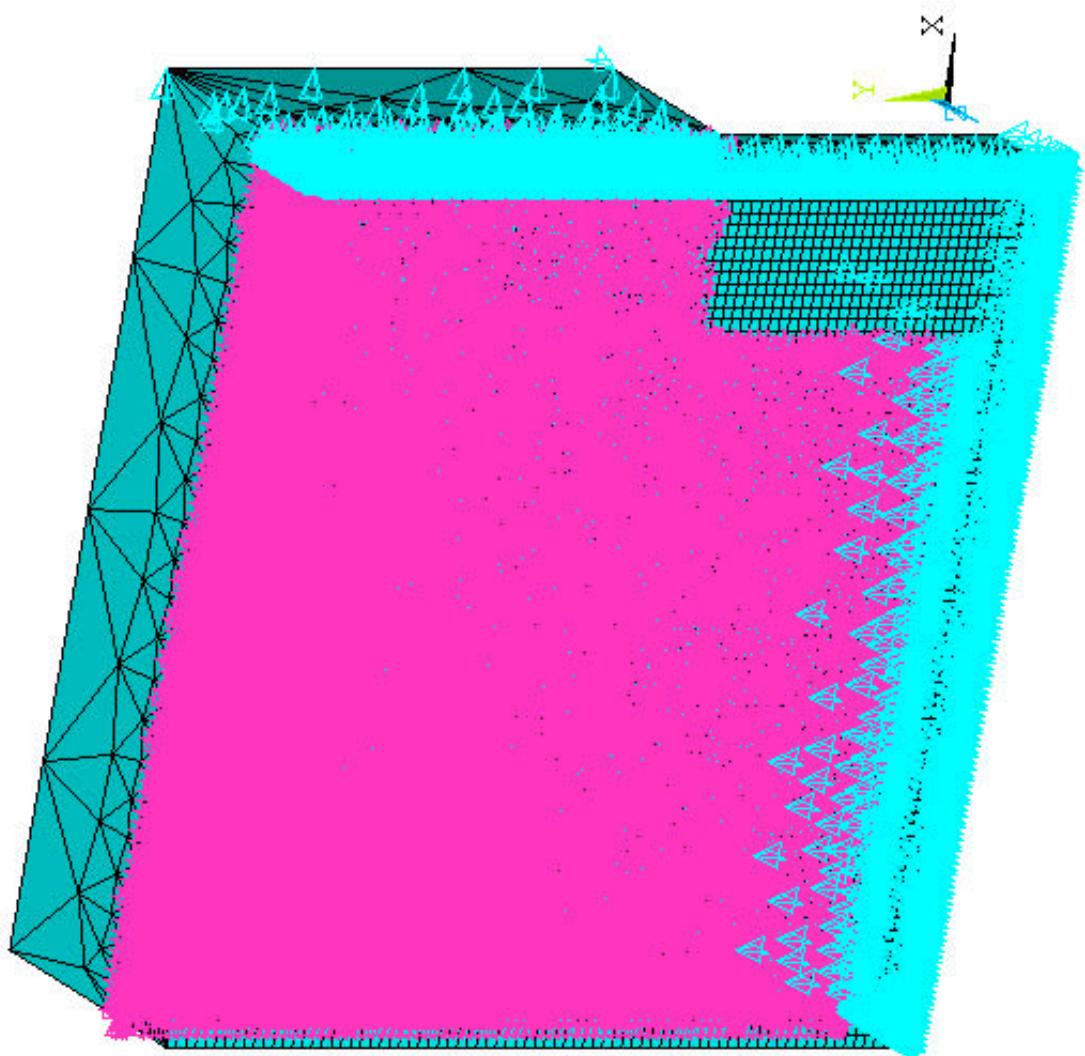


**ANSYS**

MAY 29 2003  
08:41:49



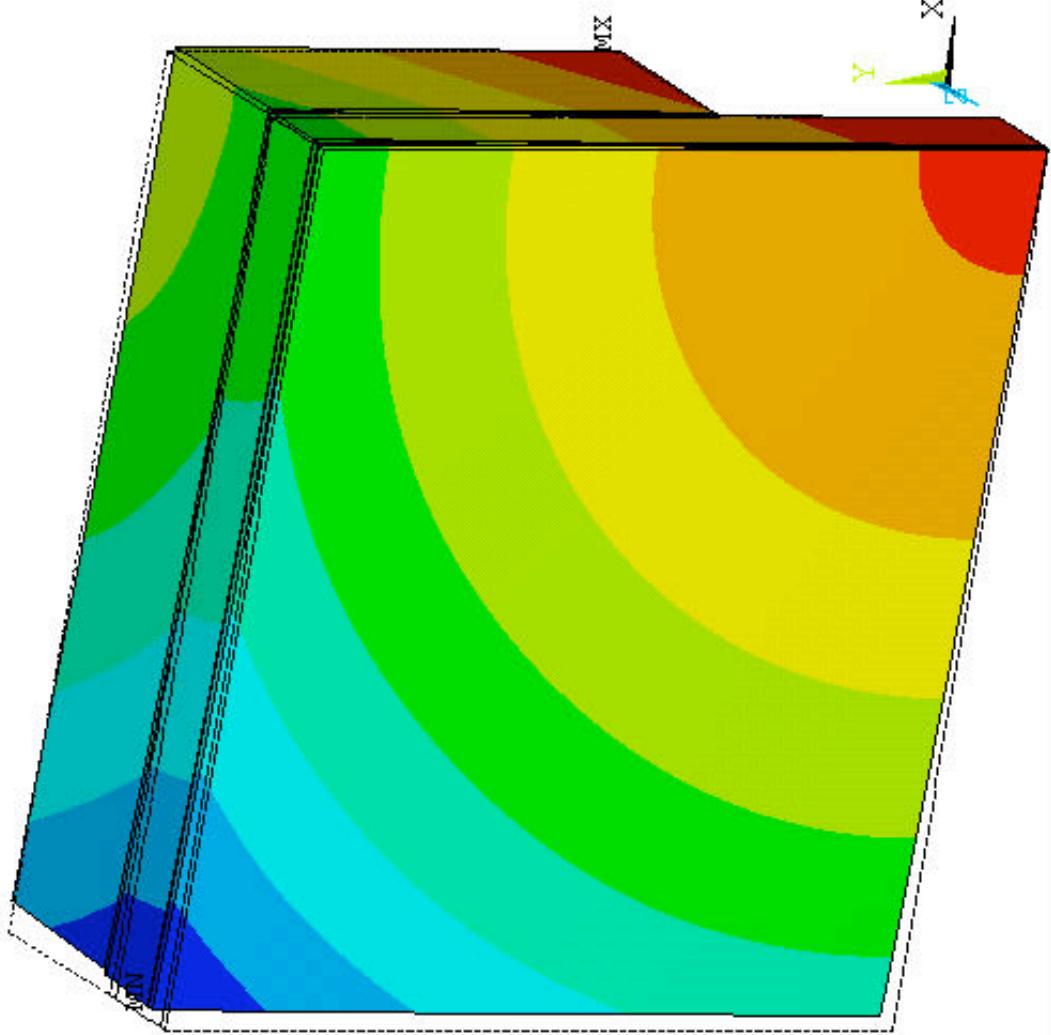
1 ELEMENTS  
U CE

Fully supported Si/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets

**ANSYS**

MAY 29 2003  
08:44:50

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
UZ (AVG)  
R.SYS=0  
DMX = .035648  
SMN =-.032334

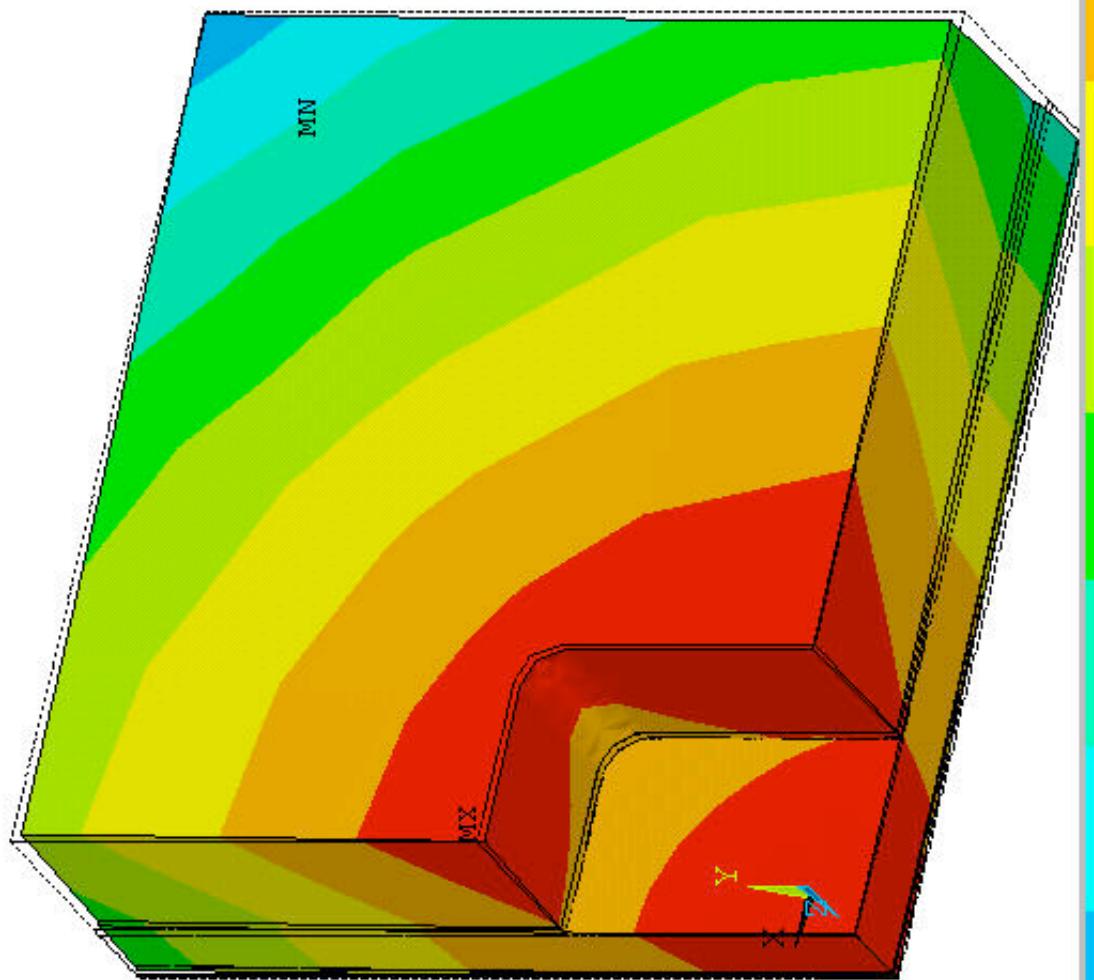


Si/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets, Z-displacement (mm)

**ANSYS**

MAY 29 2003  
08:45:21

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
UZ (AVG)  
RSYS=0  
DMX = .035648  
SMN =-.032334



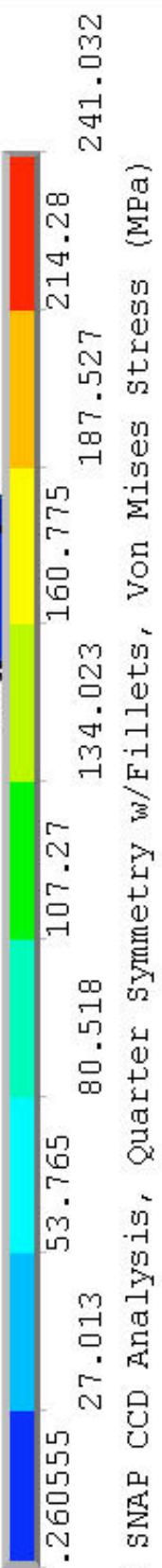
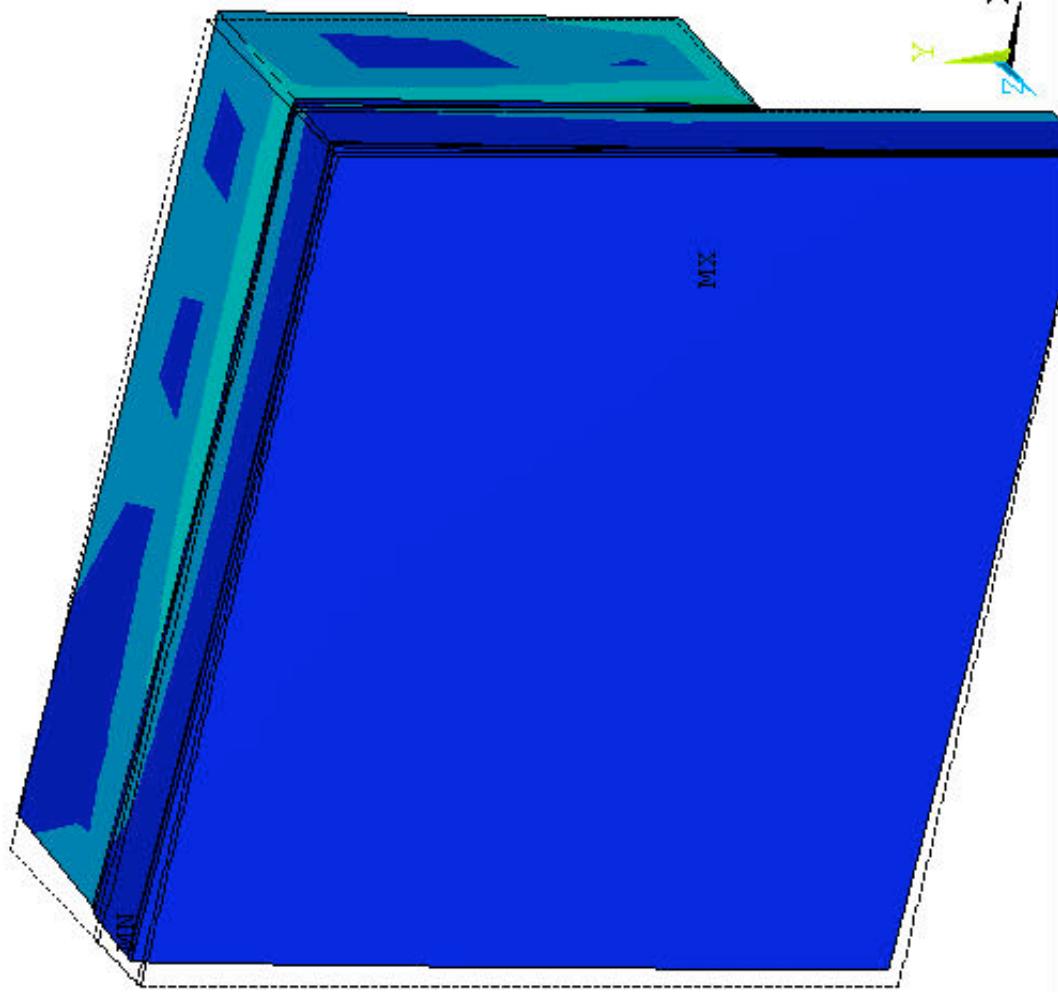
.032334 -.025149 -.017964 -.010778 -.003593  
-.028742 -.021556 -.014371 -.007185 0

Si/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillet, Z-displacement (mm)

**ANSYS**

MAY 29 2003  
08:46:16

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .035648  
SMN = .260555  
SMX =241.032

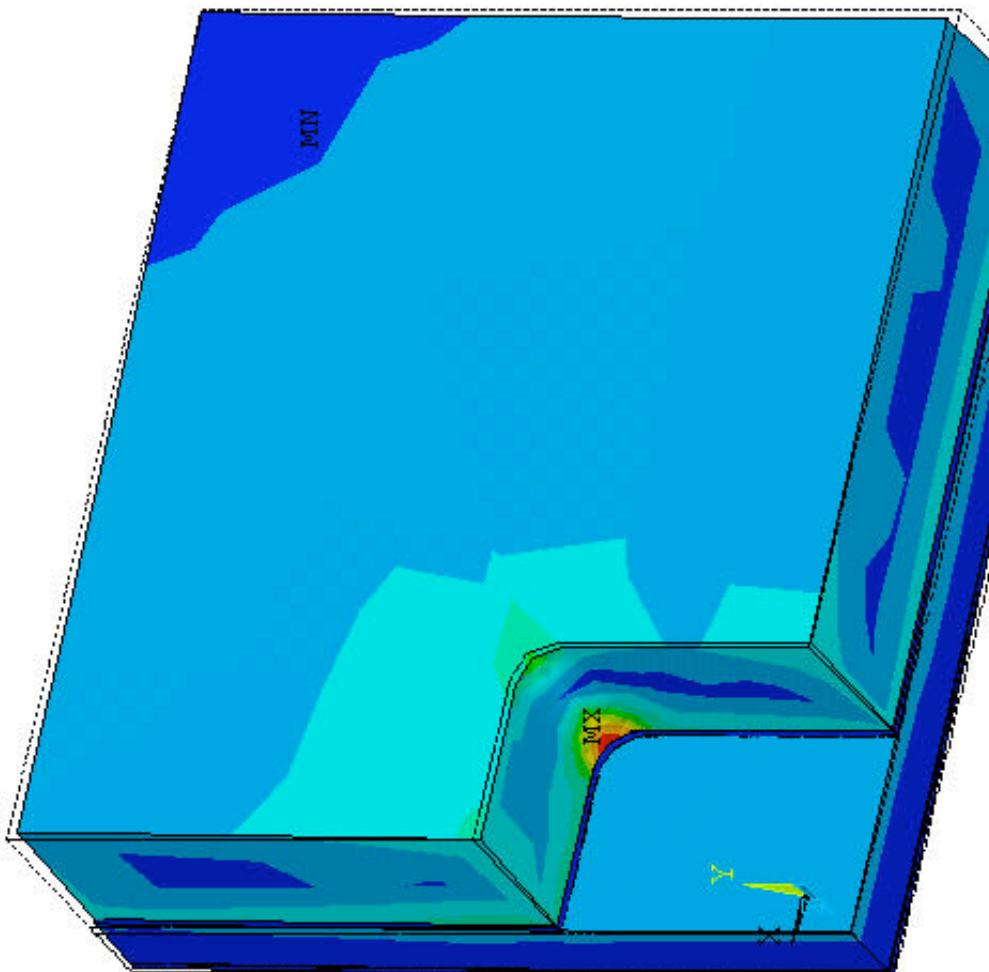


Si/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillet, Von Mises Stress (MPa)

**ANSYS**

MAY 29 2003  
08:46:35

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
 $D_{M1} = .035648$   
 $S_{M1} = .260555$   
 $S_{M2} = 241.032$



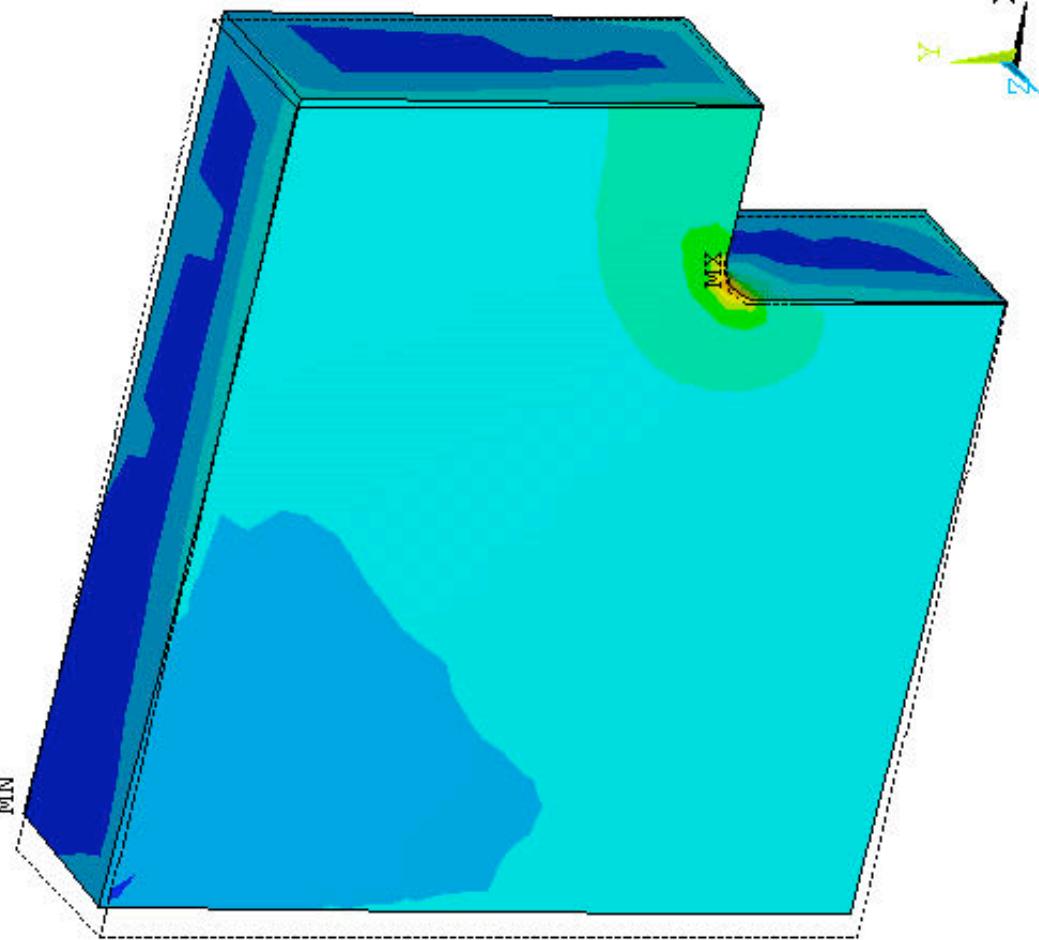
.260555 27.013 53.765 80.518 107.27 134.023 160.775 187.527 214.28 241.032  
Si/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillet, Von Mises Stress (MPa)

**ANSYS**

MAY 29 2003  
08:47:11

MN

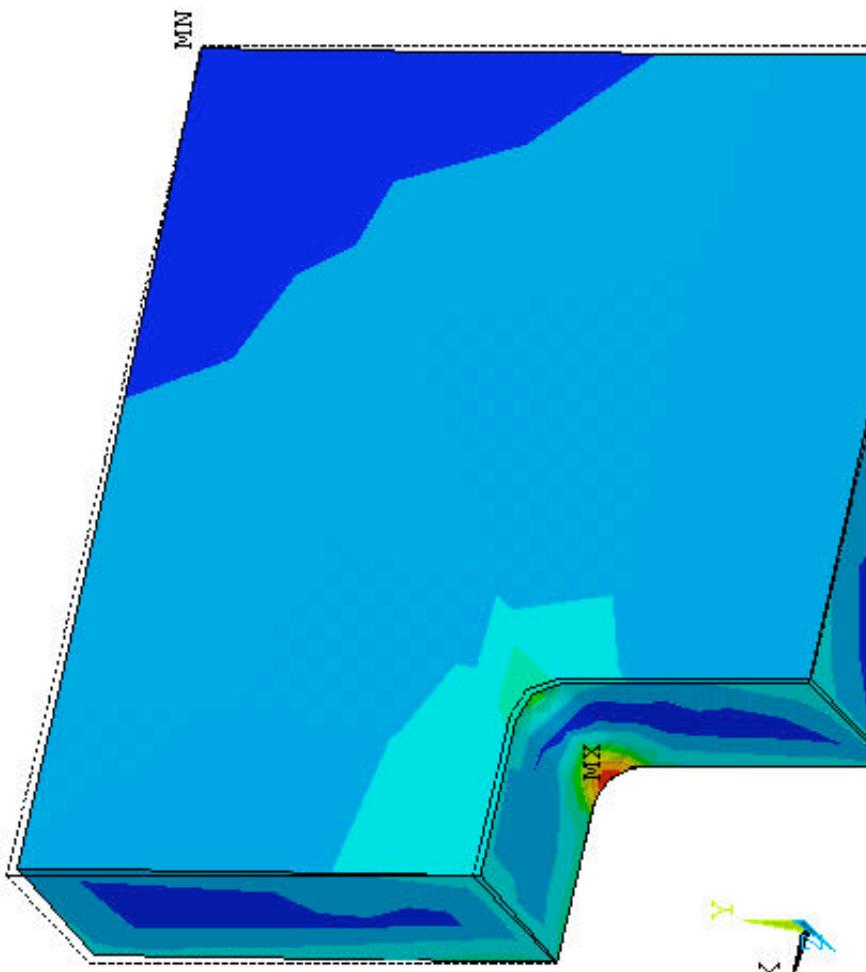
1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .035648  
SMN =7.154  
SMX =241.032



**ANSYS**

MAY 29 2003  
08:47:26

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .035648  
SMN =7.154  
SMX =241.032

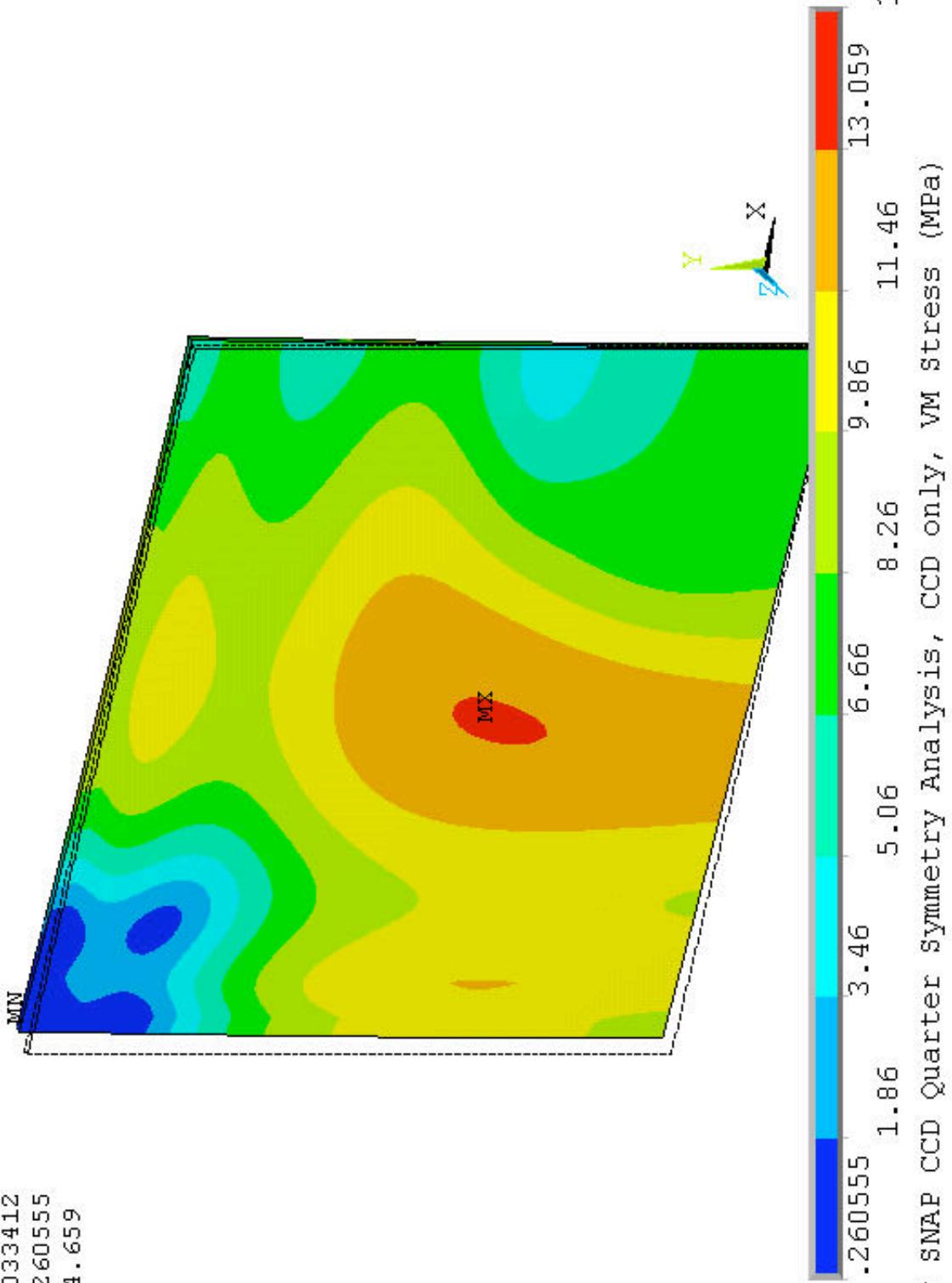


7.154 33.141 59.127 85.114 111.1 137.087 189.059 215.046 241.032  
Si/Moly SNAP CCD Quarter Symmetry Analysis, Moly only, VM Stress (MPa)

**ANSYS**

MAY 29 2003  
08:50:03

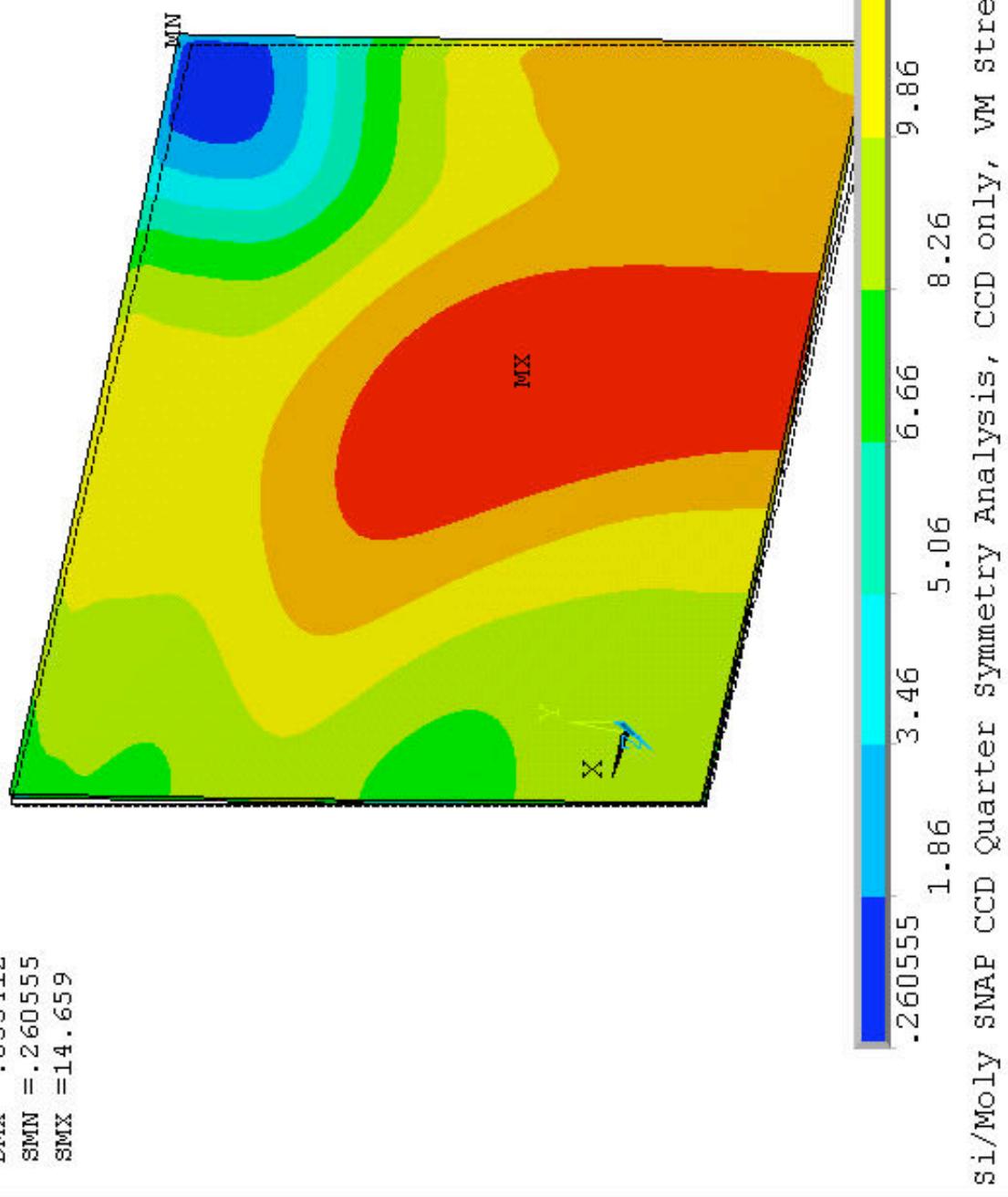
1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .033412  
SMN = .260555  
SMX =14.659



**ANSYS**

MAY 29 2003  
08:50:17

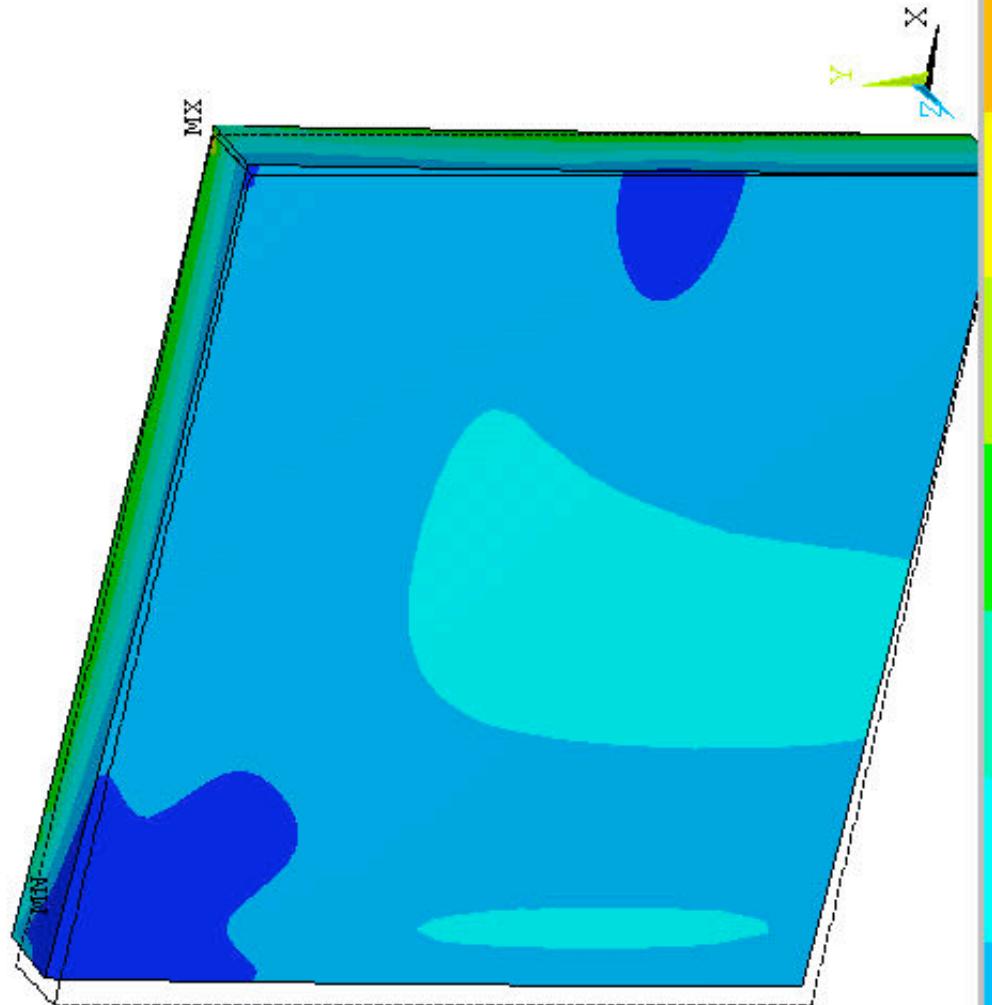
1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
 $\Delta M_X = .033412$   
 $\Delta M_Y = .260555$   
 $\Delta M_Z = 14.659$



**ANSYS**

MAY 29 2003  
08:48:14

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .034101  
SMN = .6896  
SMX = 64.178

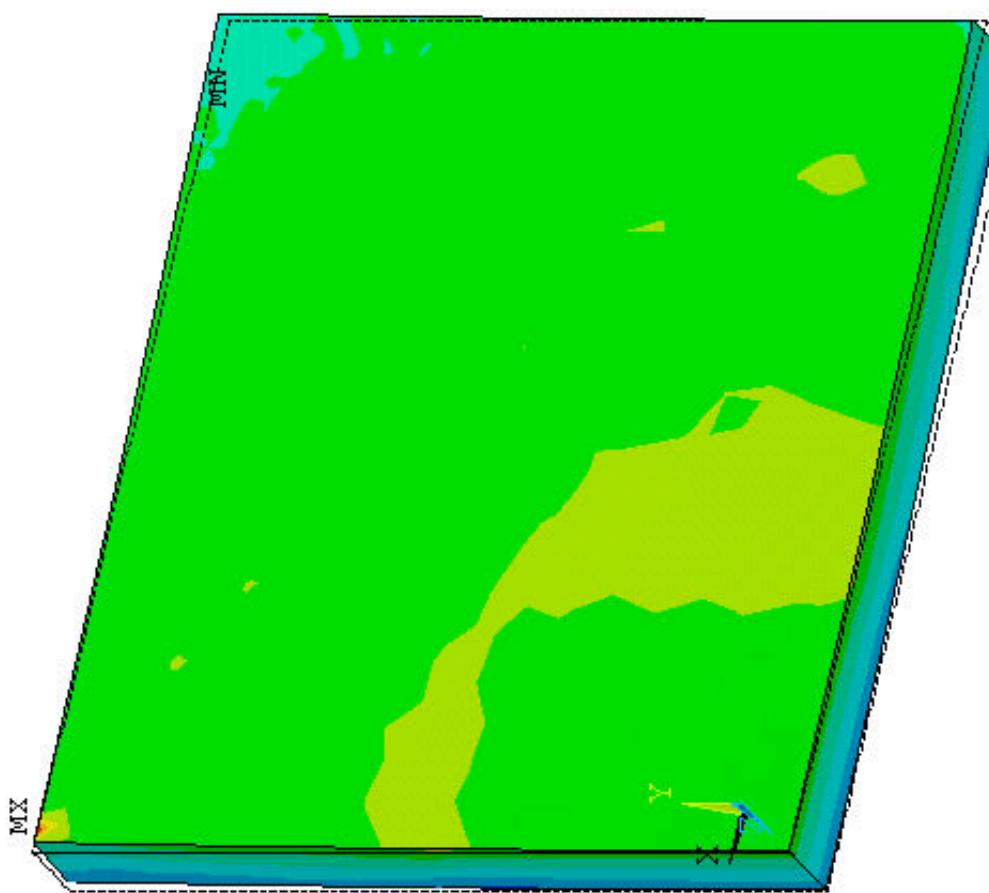


-6896 7.744 14.798 21.852 28.907 35.961 43.015 50.069 57.123 64.178  
Si/Moly SNAP CCD Quarter Symmetry Analysis, Si Substrate only, VM Stress (MPa)

**ANSYS**

MAY 29 2003  
08:48:31

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .034101  
SMN = .6896  
SMX = 64.178

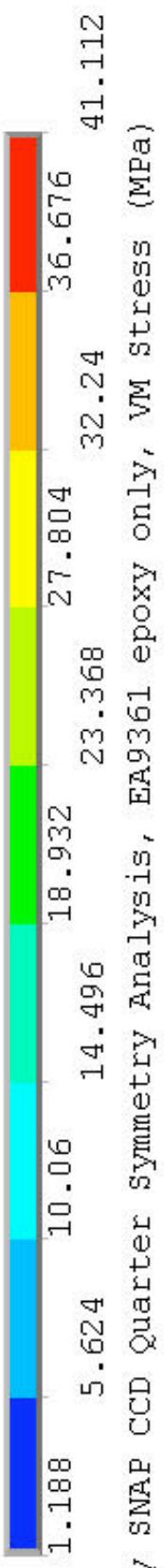
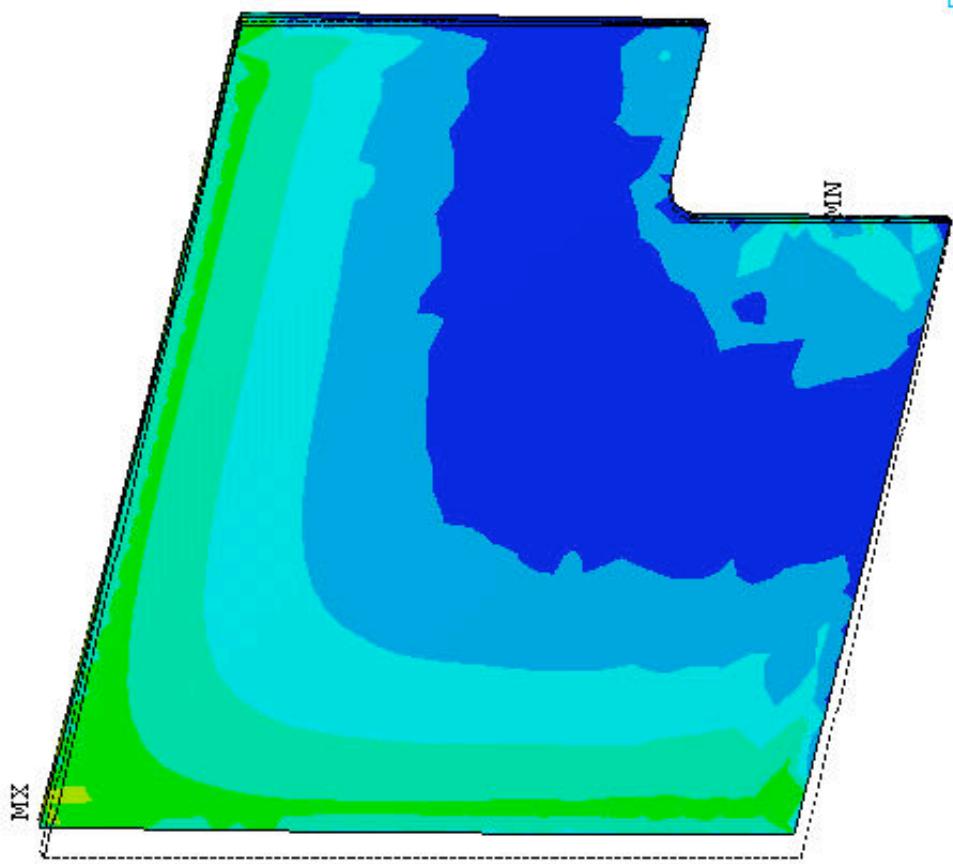


6896 7.744 14.798 21.852 28.907 35.961 43.015 50.069 57.123 64.178  
Si/Moly SNAP CCD Quarter Symmetry Analysis, Si Substrate only, VM Stress (MPa)

**ANSYS**

MAY 29 2003  
08:52:17

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .034601  
SMN =1.188  
SMX =41.112

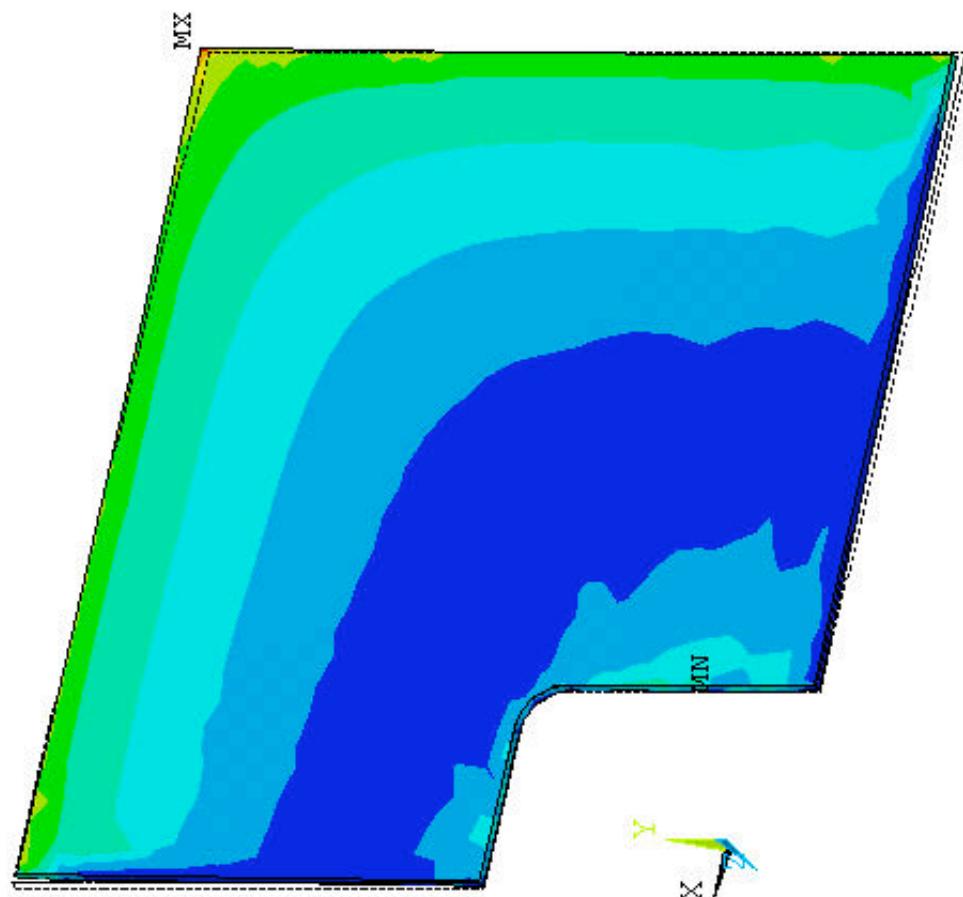


Si/Moly SNAP CCD Quarter Symmetry Analysis, EA9361 epoxy only, VM Stress (MPa)

**ANSYS**

MAY 29 2003  
08:52:29

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .034601  
SMN =1.188  
SMX =41.112

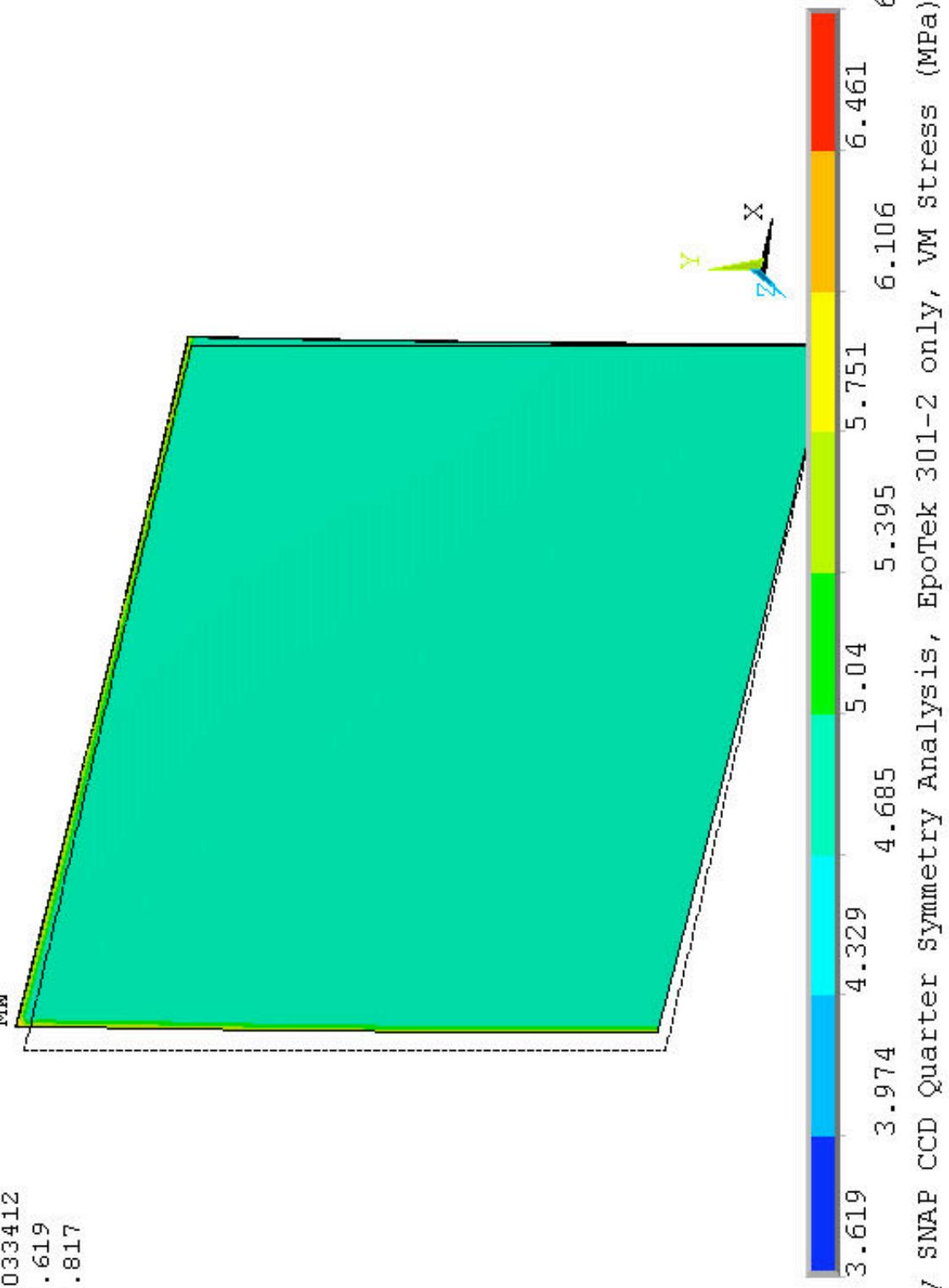


1.188 5.624 10.06 14.496 18.932 23.368 27.804 32.24 36.676 41.112  
Si/Moly SNAP CCD Quarter Symmetry Analysis, EA9361 epoxy only, VM Stress (MPa)

**ANSYS**

MAY 29 2003  
08:53:22

1 NODAL SOLUTION  
STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .033412  
SMN =3.619  
SMX =6.817



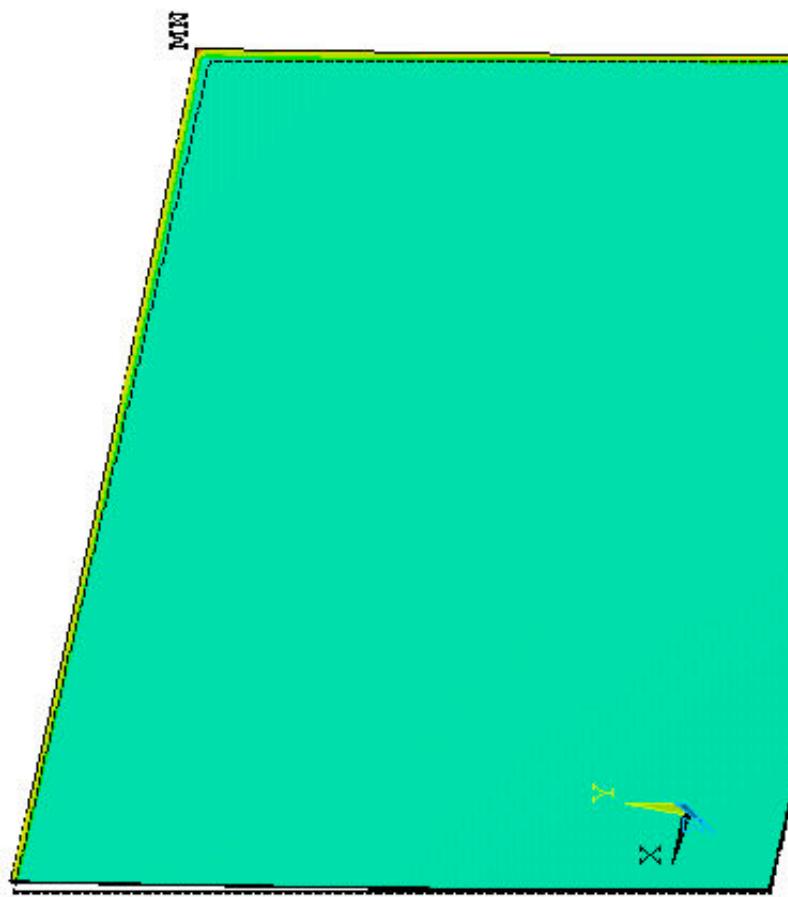
Si/Moly SNAP CCD Quarter Symmetry Analysis, Epotek 301-2 only, VM Stress (MPa)

1 NODAL SOLUTION

STEP=1  
SUB =1  
TIME=1  
SEQV (AVG)  
DMX = .033412  
SMN =3.619  
SMX =6.817

ANSYS

MAY 29 2003  
08:53:36



3.619 3.974 4.329 4.685 5.04 5.395 5.751 6.106 6.461 6.817  
Si/Moly SNAP CCD Quarter Symmetry Analysis, Epotek 301-2 only, VM Stress (MPa)